

DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D205-594 REV E
 AND INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D205-594 REV 4
 REF. TCCA STC: SH03-6
 REF. FAA STC: SR01742NY
 REF. EASA STC: 10016828

1.0 APPLICABILITY:

GROSS WEIGHT TOWING KIT D412-594-303 MAY BE INSTALLED IN CONJUNCTION WITH D412-596-203 CROSSTUBES INSTALLED ON 412 AIRCRAFT WITH EXTENDED HEIGHT LANDING GEAR. THIS IS TO ALLOW GROUND HANDLING AT GROSS WEIGHT IN ACCORDANCE WITH BELL SERVICE INSTRUCTION BHT-412-SI-58. IT IS ALSO ACCEPTABLE TO INSTALL THIS KIT ON 204/205/210/212/214/UH-1 AIRCRAFT EQUIPPED WITH DART EXTENDED HEIGHT LANDING GEAR IN ORDER TO PRESERVE THE LIFE OF THE AFT CROSSTUBES. THIS KIT CONTAINS ENOUGH PARTS TO INSTALL D5143-1 LUGS ON BOTH SKIDTUBES.

2.0 PARTS LIST:

QTY -303	PART	DESCRIPTION
X	D412-594-303	GROSS WEIGHT TOWING KIT
2	D5143-1	LUG
2	AN5-46A	BOLT
2	AN5-50A	BOLT
8	NAS1149D0563J	WASHER (AN960JD516)
4	MS21042L5	NUT

3.0 WEIGHT AND BALANCE:

INSTALLATION	WEIGHT	LONGITUDINAL	
		ARM	MOMENT
D412-594-303	3.2 lbs	163.0 in	521.6 in-lb
	1.46 kg	4.14 m	6.0 m kg

CANADA	
DEPARTMENT OF TRANSPORT	
AIRCRAFT CERTIFICATION	
BRANCH	
DAO # 01-O-01	
APPROVED	
BY:	<i>D. Shepherd</i>
D. SHEPHERD (DE # 02)	
DATE:	14.09.04
CERT. NO.:	SH03-6
ISSUE NO.:	4

A	NEW ISSUE		DB	14.09.04
REV.	DESCRIPTION		BY	DATE
DESIGN	DB	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA		
DRAWN	DB			
CHECKED	11	DRAWING NO. DSI 9705		
MFG. APPR.	N/A			
APPROVED	<i>WJ</i>	REV. A SHEET 1 OF 2		
DE APPR.	<i>WJ</i>			
DATE	14.09.04	TITLE 412 GROSS WEIGHT TOWING KIT NTS COPYRIGHT © 2014 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.		

4.0 INSTALLATION:

- 4.1 REMOVE AN5-43A BOLTS (2), AN5-45A BOLTS (2), NAS1149D0563J WASHERS (8) AND MS21042L5 NUTS (4) FROM THE AFT SADDLES. DISCARD THE FASTENERS.
- 4.2 INSTALL D5143-1 LUGS USING AN5-46A/50A BOLTS, NAS1149D0563J WASHERS AND MS21042L5 NUTS AS SHOWN IN FIGURE 1.
- 4.3 TORQUE BOLTS TO 60-85 IN-LBS (6.8-9.6 NM).
- 4.4 IT IS ACCEPTABLE TO REPLACE THE AN5-46A/50A BOLTS WITH LONGER OR SHORTER AN5 BOLTS AS REQUIRED AND/OR TO INSTALL EXTRA NAS1149D0563J WASHERS UNDER NUT TO ENSURE 1.5 TO 4 THREADS IN SAFETY.

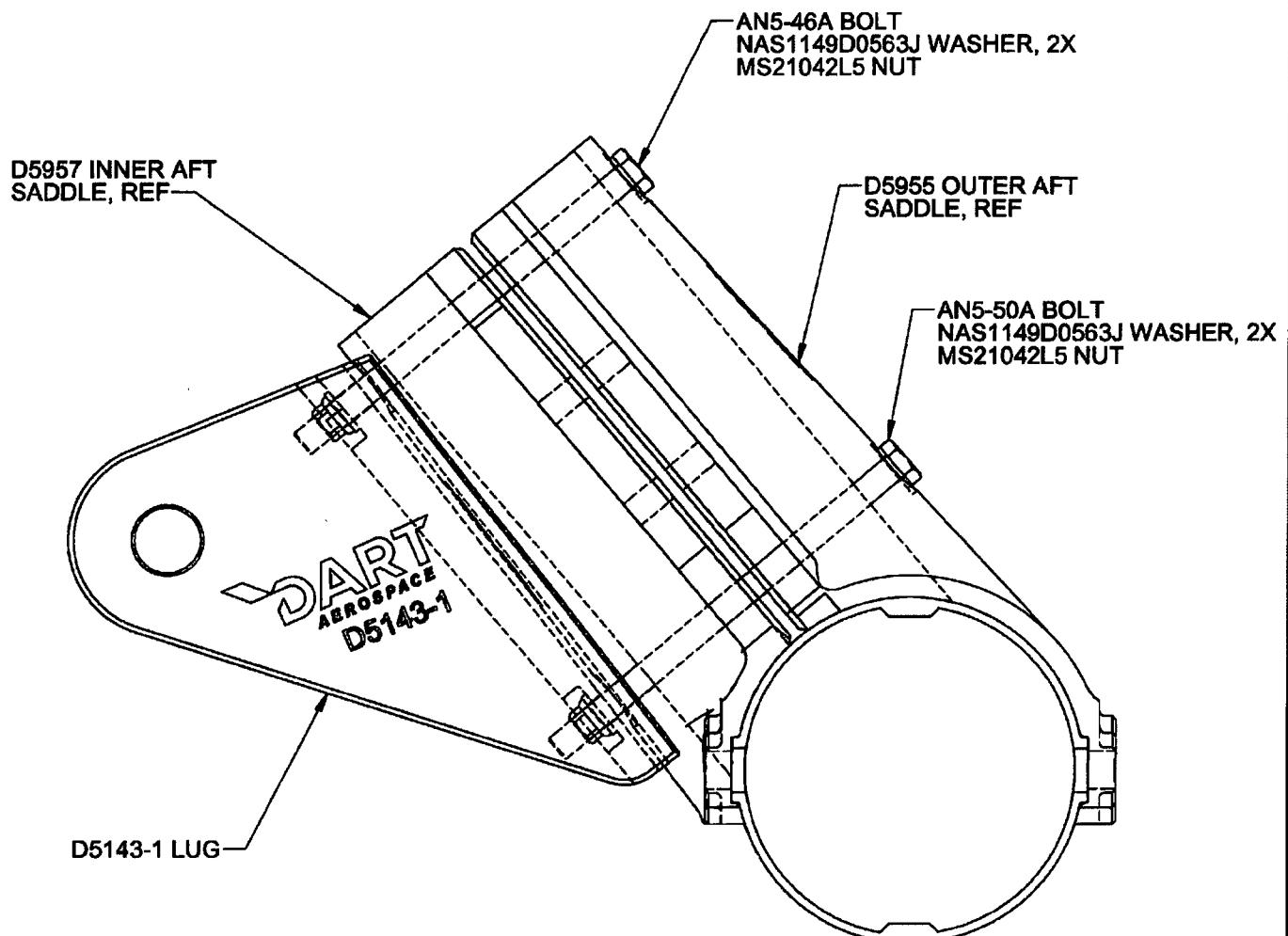


FIGURE 1: D412-594-303 GROSS WEIGHT TOWING KIT INSTALLATION
(TYPICAL AFT SADDLE)

DESIGN	DB	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	DB		
CHECKED		DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9705	SHEET 2 OF 2
APPROVED		TITLE	412 GROSS WEIGHT TOWING KIT
DE APPR.		SCALE	NTS
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